

LIQUID CRYSTAL DISPLAY APPARATUS

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ABSTRACT OF THE DISCLOSURE

A liquid crystal display apparatus including a pair of substrates having electrodes and vertical alignment layers. A liquid crystal having a negative anisotropy of dielectric is inserted between the substrates. Each substrate has linearly arranged alignment control structures for controlling the alignment of the liquid crystal. The alignment control structures are formed in the form of projections or slits. Each alignment control structure is formed of a plurality of constituent units. In addition, means for forming a boundary of alignment of liquid crystal (singular point in director field) to control the liquid crystal located on the alignment control structures.

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